

**IN THE CLAIMS**

Amend the claims as follows.

Claims 1-49 (Canceled).

50. (new) A method for the generation of cells presenting cancer-testis antigens comprising:

- a) collecting peripheral blood mononuclear cells from a subject or cells derived from peripheral blood mononuclear cells,
- b) activating said collected cells to form activated cells;
- c) culturing and optionally expanding ex vivo said activated cells;
- d) treating said cultured and optionally expanded cells with DNA hypomethylating agents by pulsing said cells four times every 12 hours; then replacing half of the culture medium with fresh medium and allowing to proceed for additional 48 hours so that said cells express said antigens.

51. (new) A method according to claim 50, wherein said subject is a mammal.

52. (new) A method according to claim 51, wherein said subject is a human.

53. (new) A method according to claim 50, wherein said subject is a cancer patient.

54. (new) A method according to claim 50, wherein said activated cells are Epstein-Barr virus-immortalized B-lymphoblastoid cell lines.

55. (new) A method according to claim 50, wherein said activated cells are Pokeweed mitogen (PWM)-activated B-lymphocytes.

56. (new) A method according to claim 50, wherein said activated cells are CD40 activated B-lymphocytes.

57. (new) A method according to claim 50, wherein said activated cells are Phytohemagglutinin (PHA) + recombinant human interleukin-2 (rhIL-2)-activated PBMC.

58. (new) A method according to claim 50, wherein said activated cells are Phytohemagglutinin (PHA) + recombinant human interleukin-2 (rhIL-2) + pokeweed mitogen (PWM)-activated PBMC.

59. (new) A method according to claim 50, wherein histone deacetylase inhibitors are further used in step d).

60. (new) A method according to claim 50, wherein said DNA hypomethylating agent is selected from 5-aza-cytidine or 5-aza-2'-deoxycytidine.

61. (new) Cells obtainable by the method according to any of claims 50-60 and 62-65.

62. (new) A method according to claim 50, wherein said subject is a healthy subject.

63. (new) A method according to Claim 55, wherein said activation is carried out for 2 days.

64. (new) A method according to Claim 57, wherein said activation is carried out for 2 days.

65. (new) A method according to Claim 58, wherein said activation is carried out for 2 days.